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(54) Title: TWO COMPONENT CURABLE COMPOSITIONS

(57) Abstract: A two component reactive composition is described. Each component, before they are mixed together, contains a filler having thin platelet structure, e.g. a nanoclay, and a further filler that interacts with the platelets. The individual components can have a filler loading that makes them flowable and therefore the components can readily be mixed together for ready dispensing. When the components are mixed thoroughly together, the resulting resin may have a viscosity higher than that of the individual components. The loading of the filler is preferably chosen so that the resulting blended resin is capable of being applied on to a vertical surface without experiencing significant slump. The viscosity of the mixed material can be up to 5 to 10 times or more than that of the individual components before mixing. The composition can be used in. adhesives, modelling pastes, coatings, sealants, putties, mastics, stopping compounds, caulking materials, encapsulants and surface coatings, e.g. paints.

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